

STN (Reg, caplus)

10/537,940

11/10/2006

Search Strategy

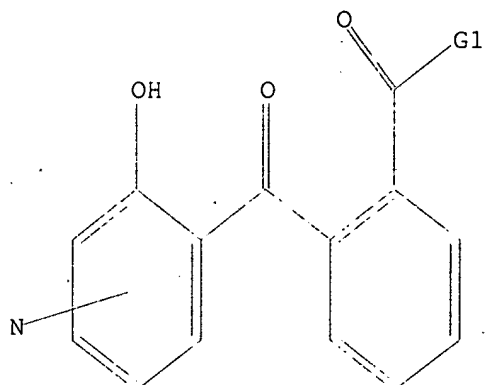
(A=N)

L1 STRUCTURE UPLOADED

=> d

L1 HAS NO ANSWERS

L1 STR



G1 O,N

Structure attributes must be viewed using STN Express query preparation.

=> s l1 full

FULL SEARCH INITIATED 11:25:41 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 1043 TO ITERATE

100.0% PROCESSED 1043 ITERATIONS
SEARCH TIME: 00.00.01

322 ANSWERS

L2 322 SEA SSS FUL L1

=> fil caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

166.94

167.15

FILE 'CAPLUS' ENTERED AT 11:25:48 ON 10 NOV 2006

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

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FILE COVERS 1907 - 10 Nov 2006 VOL 145 ISS 21
 FILE LAST UPDATED: 9 Nov 2006 (20061109/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply.
 They are available for your review at:

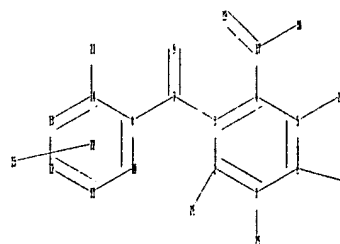
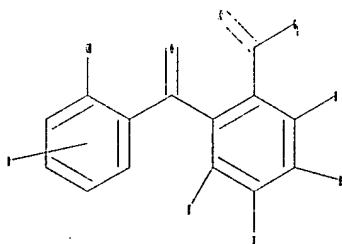
<http://www.cas.org/infopolicy.html>

=>.s 12
 L3

663 L2

=>

Uploading C:\Program Files\Stnexp\Queries\10537940\2.str



chain nodes :

7 9 17 18 19 21 23 24 25 26

ring nodes :

1 2 3 4 5 6 8 10 11 12 13 14

ring/chain nodes :

15

chain bonds :

1-25 2-26 3-7 4-17 5-23 6-24 7-8 7-9 14-21 17-18 17-19

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 8-10 8-14 10-11 11-12 12-13 13-14

exact/norm bonds :

7-9 14-21 17-18 17-19

exact bonds :

1-25 2-26 3-7 4-17 5-23 6-24 7-8

normalized bonds :

1-2 1-6 2-3 3-4 4-5 5-6 8-10 8-14 10-11 11-12 12-13 13-14

isolated ring systems :

containing 1 : 8 :

G1:O,N

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:Atom 9:CLASS 10:Atom

11:Atom 12:Atom 13:Atom 14:Atom 15:CLASS 17:CLASS 18:CLASS 19:CLASS

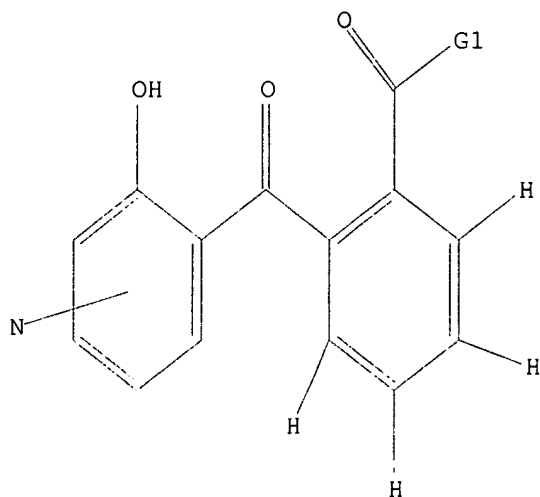
21:CLASS 22:Atom 23:CLASS 24:CLASS 25:CLASS 26:CLASS

L4 STRUCTURE UPLOADED

=> d

L4 HAS NO ANSWERS

L4 STR



G1 O,N

Structure attributes must be viewed using STN Express query preparation.

=> fil reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

1.38

168.53

FILE 'REGISTRY' ENTERED AT 11:27:40 ON 10 NOV 2006

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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 9 NOV 2006 HIGHEST RN 912878-87-6
DICTIONARY FILE UPDATES: 9 NOV 2006 HIGHEST RN 912878-87-6

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 30, 2006

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=> s 14 full sub=l2

FULL SUBSET SEARCH INITIATED 11:27:52 FILE 'REGISTRY'
FULL SUBSET SCREEN SEARCH COMPLETED - 322 TO ITERATE

100.0% PROCESSED 322 ITERATIONS 276 ANSWERS
SEARCH TIME: 00.00.01

L5 276 SEA SUB=L2 SSS FUL L4

=> fil caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	39.84	208.37

FILE 'CAPLUS' ENTERED AT 11:27:57 ON 10 NOV 2006
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
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COPYRIGHT (C) 2006 AMERICAN CHEMICAL SOCIETY (ACS)

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FILE COVERS 1907 - 10 Nov 2006 VOL 145 ISS 21
FILE LAST UPDATED: 9 Nov 2006 (20061109/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/infopolicy.html>

=> s 15

L6 641 L5

=> d his

(FILE 'HOME' ENTERED AT 11:25:16 ON 10 NOV 2006)

FILE 'REGISTRY' ENTERED AT 11:25:26 ON 10 NOV 2006

L1 STRUCTURE UPLOADED

L2 322 S L1 FULL

FILE 'CAPLUS' ENTERED AT 11:25:48 ON 10 NOV 2006

L3 663 S L2

L4 STRUCTURE UPLOADED

FILE 'REGISTRY' ENTERED AT 11:27:40 ON 10 NOV 2006

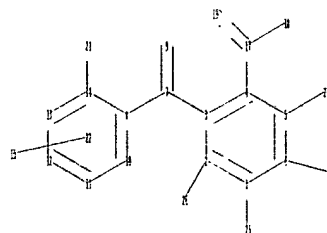
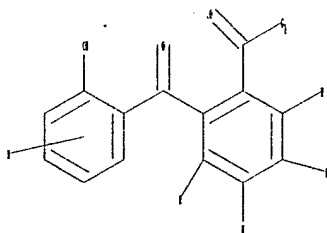
L5 276 S L4 FULL SUB=L2

FILE 'CAPLUS' ENTERED AT 11:27:57 ON 10 NOV 2006

L6 641 S L5

=>

Uploading C:\Program Files\Stnexp\Queries\10537940\3.str



chain nodes :

7 9 17 18 19 21 23 24 25 26

ring nodes :

1 2 3 4 5 6 8 10 11 12 13 14 15

chain bonds :
 1-25 2-26 3-7 4-17 5-23 6-24 7-8 7-9 14-21 17-18 17-19
 ring bonds :
 1-2 1-6 2-3 3-4 4-5 5-6 8-10 8-14 10-11 11-12 12-13 13-14
 exact/norm bonds :
 7-9 14-21 17-18 17-19
 exact bonds :
 1-25 2-26 3-7 4-17 5-23 6-24 7-8
 normalized bonds :
 1-2 1-6 2-3 3-4 4-5 5-6 8-10 8-14 10-11 11-12 12-13 13-14
 isolated ring systems :
 containing 1 : 8 :

G1:O,N

Match level :

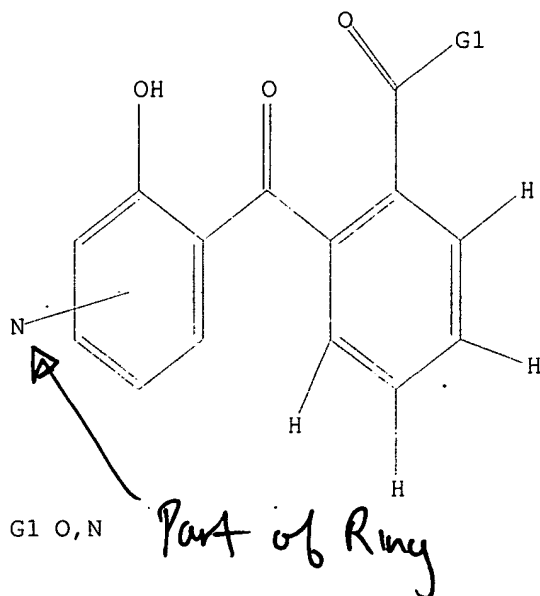
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:Atom 9:CLASS 10:Atom
 11:Atom 12:Atom 13:Atom 14:Atom 15:CLASS 17:CLASS 18:CLASS 19:CLASS
 21:CLASS 22:Atom 23:CLASS 24:CLASS 25:CLASS 26:CLASS

L7 STRUCTURE UPLOADED

=> d

L7 HAS NO ANSWERS

L7 STR



Structure attributes must be viewed using STN Express query preparation.

=> s 17 full

REGISTRY INITIATED

Substance data SEARCH and crossover from CAS REGISTRY in progress...

Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.

FULL SEARCH INITIATED 11:29:59 FILE 'REGISTRY'
 FULL SCREEN SEARCH COMPLETED - 1043 TO ITERATE

100.0% PROCESSED 1043 ITERATIONS
 SEARCH TIME: 00.00.01

12 ANSWERS

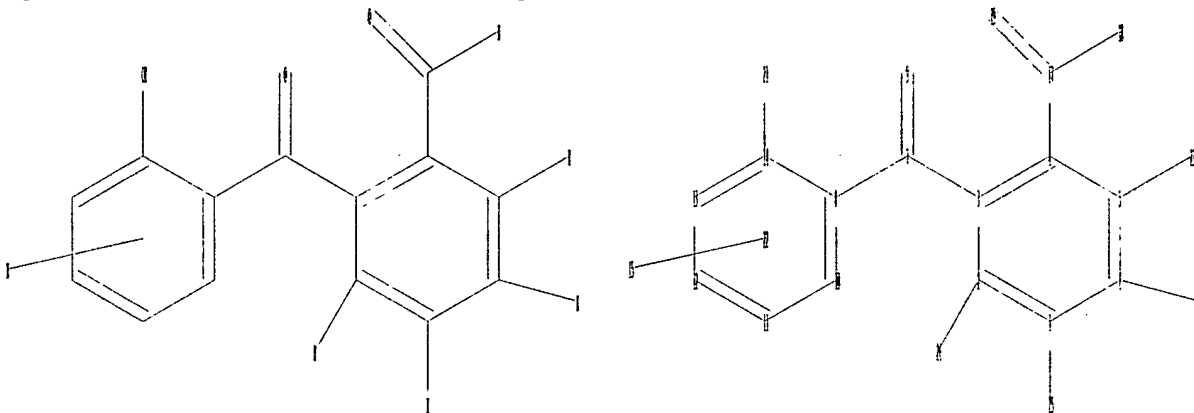
L8 12 SEA SSS FUL L7

L9

42 L8

=>

Uploading C:\Program Files\Stnexp\Queries\10537940\4.str



chain nodes :

7 9 17 18 19 21 23 24 25 26

ring nodes :

1 2 3 4 5 6 8 10 11 12 13 14

ring/chain nodes :

15

chain bonds :

1-25 2-26 3-7 4-17 5-23 6-24 7-8 7-9 14-21 17-18 17-19

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 8-10 8-14 10-11 11-12 12-13 13-14

exact/norm bonds :

7-9 14-21 17-18 17-19

exact bonds :

1-25 2-26 3-7 4-17 5-23 6-24 7-8

normalized bonds :

1-2 1-6 2-3 3-4 4-5 5-6 8-10 8-14 10-11 11-12 12-13 13-14

isolated ring systems :

containing 1 : 8 :

G1:O,N

Match level :

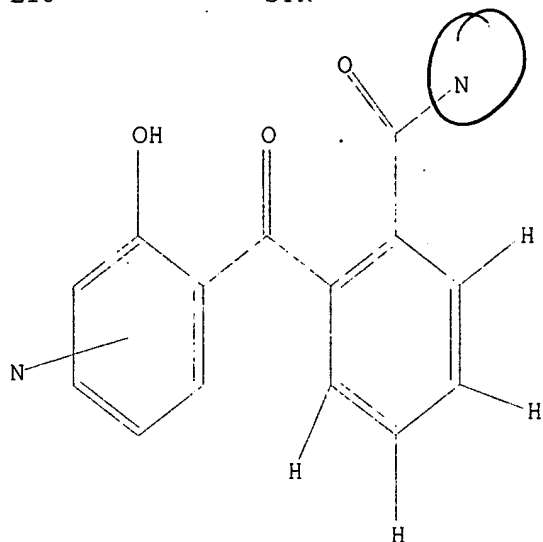
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:Atom 9:CLASS 10:Atom
 11:Atom 12:Atom 13:Atom 14:Atom 15:CLASS 17:CLASS 18:CLASS 19:CLASS
 21:CLASS 22:Atom 23:CLASS 24:CLASS 25:CLASS 26:CLASS

L10 STRUCTURE UPLOADED

=> d

L10 HAS NO ANSWERS

L10 STR



G1 O,N

Structure attributes must be viewed using STN Express query preparation.

=> s l10 full sub=L2

REGISTRY INITIATED

Substance data SEARCH and crossover from CAS REGISTRY in progress...

Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.

FULL SUBSET SEARCH INITIATED 11:32:53 FILE 'REGISTRY'
FULL SUBSET SCREEN SEARCH COMPLETED - 7 TO ITERATE

100.0% PROCESSED 7 ITERATIONS
SEARCH TIME: 00.00.01

L11 7 SEA SUB=L2 SSS FUL L10

7 ANSWERS

SUBSET IS IGNORED AS A SCOPE FOR THIS SEARCH
L12 4 L11

=> d ibib abs hitstr 1-4

L12 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER:

2004:515467 CAPLUS

DOCUMENT NUMBER:

141:71355

TITLE:

Preparation of amino substituted hydroxyphenyl

benzophenone derivatives as UV absorbers
Haase, Juerg; Ehliis, Thomas; Borsos, Elek; Mueller, Stefan

PATENT ASSIGNEE(S):

Ciba Specialty Chemicals Holding Inc., Swiss.

SOURCE:

PCT Int. Appl., 50 pp.

DOCUMENT TYPE:

CODEN: PIXXD2

LANGUAGE:

Patent

FAMILY ACC. NUM. COUNT:

English

PATENT INFORMATION:

1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004052837	A2	20040624	WO 2003-EP50937	20031203
WO 2004052837	A3	20040910		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, ME, MG, MK, MN, MW, MX, MY, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD,				
TG				
AU 2003298343	A1	20040630	AU 2003-298343	20031203
EP 1569893	A2	20050907	EP 2003-796081	20031203
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
BR 2003016607	A	20051011	BR 2003-16607	20031203
CN 1726184	A	20060125	CN 2003-80105885	20031203
JP 200609834	T2	20060323	JP 2005-502323	20031203
US 2006018846	A1	20060126	US 2005-537940	20050607
PRIORITY APPLN. INFO.:				
EP 2002-406093 A 20021212				
CH 2003-1113 A 20030625				
EP 2003-102297 A 20030725				
WO 2003-EP50937 W 20031203				

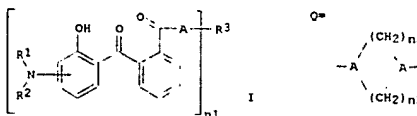
OTHER SOURCE(S):

MARPAT 141:71355

GI

L12 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2006 ACS on STN

(Continued)



AB Described are aminohydroxybenzophenonecarboxamide derivs. of formula (I) [wherein R1, R2 = independently C1-20 alkyl, C2-20 alkenyl, C3-10 cycloalkyl, C3-10 C10 cycloalkenyl; or R1 and R2 together with the linking nitrogen atom form a 5- or 6-membered heterocyclic ring; n1 = 1-4;

When n1 = 1, R3 = saturated or unsatd. heterocyclic radical, hydroxy-C1-C5 alkyl, cyclohexyl optionally substituted with one or more C1-5 alkyl, Ph optionally substituted with a heterocyclic radical, aminocarbonyl, C1-5 alkylcarboxy; when n1 = 2, R3 = alkylene, cycloalkylene or alkenylene radical which is optionally substituted by a carbonyl or carboxy group;

or R3 together with A forms a bivalent radical of the formula Q; wherein n2 =

1-3; when n1 = 3, R3 = alkanetriyl radical; when n1 = 4, R3 = alkanetetrayl radical; A = O, N(R5); R5 = H, C1-5 alkyl, hydroxy-C1-5 alkyl. These compds. are useful as UV filters in sunscreen applications,

preferably for the protection of human and animal hairs and from the damage of UV radiation as well as cosmetic compns. comprising these compds. Thus, a solution of 10.6 g 3-diethylaminodibenzoxepin

(preparation given) in 20 mL diethylene glycol di-Me ether was added to a suspension

of 7.2 g 2-(4-aminophenyl)-6-methylbenzothiazole are suspended in 60 mL diethylene glycol di-Me ether at room temperature under stirring, heated

to 90°, and allowed to react for 4 h to give 7.3 g

N-[4-(6-methylbenzothiazol-2-yl)phenyl]-2-(4-diethylamino-2-hydroxybenzoyl)benzamide.

IT 682349-14-OP, N-[4-(6-Methylbenzothiazol-2-yl)phenyl]-2-(4-diethylamino-2-hydroxybenzoyl)benzamide 682349-15-IP,

N-[4-Carbamoylphenyl]-2-(4-diethylamino-2-hydroxybenzoyl)benzamide 682349-18-AP, 1,6-Bis[2-(4-diethylamino)-2-hydroxybenzoyl]benzoyl]amino]hexane 682349-19-5P,

N-Phenyl-2-(4-diethylamino-2-hydroxybenzoyl)benzamide 682349-21-9P, N,N-Bis(2-hydroxyethyl)-2-(4-diethylamino-2-hydroxybenzoyl)benzamide

RL: BUU (Biological use, unclassified); COS (Cosmetic use); SPN (Synthetic

preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of amino substituted hydroxyphenyl benzophenone derivs. as UV

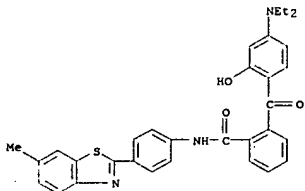
absorbers in sunscreen applications)

L12 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2006 ACS on STN

(Continued)

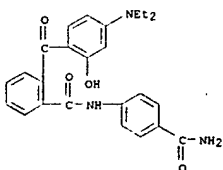
RN 682349-14-0 CAPLUS

CN Benzamide, 2-[4-(diethylamino)-2-hydroxybenzoyl]-N-[4-(6-methyl-2-benzothiazolyl)phenyl]- (9CI) (CA INDEX NAME)



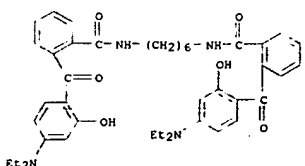
RN 682349-15-1 CAPLUS

CN Benzamide, N-[4-(aminocarbonyl)phenyl]-2-[4-(diethylamino)-2-hydroxybenzoyl]- (9CI) (CA INDEX NAME)



RN 682349-18-4 CAPLUS

CN Benzamide, N,N'-1,6-hexanediylbis(2-[4-(diethylamino)-2-hydroxybenzoyl]- (9CI) (CA INDEX NAME)

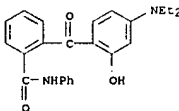


L12 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2006 ACS on STN

(Continued)

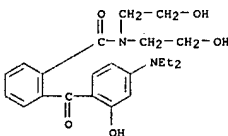
RN 682349-19-5 CAPLUS

CN Benzamide, 2-[4-(diethylamino)-2-hydroxybenzoyl]-N-phenyl- (9CI) (CA INDEX NAME)



RN 682349-21-9 CAPLUS

CN Benzamide, 2-[4-(diethylamino)-2-hydroxybenzoyl]-N,N-bis(2-hydroxyethyl)- (9CI) (CA INDEX NAME)



L12 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER:

2003:836807 CAPLUS

DOCUMENT NUMBER:

139:327930

TITLE:

Organosilicone derivatives of amino hydroxybenzophenones and their use as UVA filters in cosmetic preparations

INVENTOR(S):

Berg-Schultz, Katja; Huber, Ulrich

PATENT ASSIGNEE(S):

Roche Vitamins A.-G., Switz.

SOURCE:

PCT Int. Appl., 27 pp.

DOCUMENT TYPE:

Patent PCT/DK2

LANGUAGE:

English

FAMILY ACC. NUM. COUNT

1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003086340	A1	20031023	WO 2003-EP3095	20030325
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GM, GR, GU, HK, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RM:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
AU 2003226709	A1	20031027	AU 2003-226709	20030325
EP 1494642	A1	20050112	EP 2003-746278	20030325
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK			
BR 2003009195	A	20050209	BR 2003-9195	20030325
CN 1646091	A	20050727	CN 2003-808320	20030325
JP 200539099	T2	20051222	JP 2003-583364	20030325
US 2005255066	A1	20051117	US 2005-511020	20050509
PRIORITY APPLN. INFO.:			EP 2002-8419	A 20020412
			WO 2003-EP3095	W 20030325

AB The present invention relates to organosilicone deriva. of amino hydroxybenzophenones, a process for their preparation, a cosmetic compns. comprising the organosilicone derivative and the use thereof for protecting hair and/or skin from damage caused by UVA irradiation

IT 614755-90-7P

RL: PRP (Properties); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

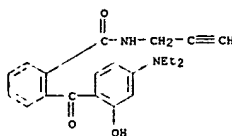
(preparation of organosilicone deriva. of amino hydroxybenzophenones as sunscreen against UVA radiation for cosmetics)

RN 614755-90-7 CAPLUS

CN Benzamide, 2-[4-(diethylamino)-2-hydroxybenzoyl]-N-2-propynyl- (9CI) (CA INDEX NAME)

L12 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2006 ACS on STN

(Continued)



REFERENCE COUNT:

11

THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS

FORMAT

RECORD. ALL CITATIONS AVAILABLE IN THE RE

PCT 3/25/03

 $R_1 R_2 = Et$ $A = N$ $R_5 = H$

4/12/02 ✓

X

 $R_3 = -CH_2-C \equiv CH$

L12 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER:

2003:830446 CAPLUS

DOCUMENT NUMBER:

140:362521

TITLE:

Preparation of amino substituted hydroxyphenyl benzophenone derivatives and their uses as UV filters in sunscreen formulations

AUTHOR(S):

Anon.

CORPORATE SOURCE:

USA

SOURCE:

IP.com Journal (2003), 3(8), 40 (No.

IPCOM000018721D)

PUBLISHER:

, 4 Aug 2003

DOCUMENT TYPE:

CODEN: IJPOBX; ISSN: 1533-0001

LANGUAGE:

IP.com, Inc.

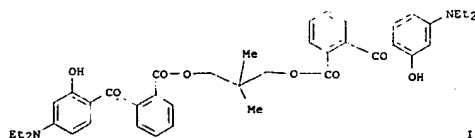
PATENT INFORMATION:

Journal: Patent

PATENT INFORMATION:

English

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
IP 18721D		20030804		
PRIORITY APPLN. INFO.:			IP 2003-18721D	20030804
GI				



AB Described are synthesis of amino substituted hydroxyphenyl benzophenone deriva. The compds. are useful as UV filters in sunscreen applications. For example, compound I synthesized by reacting anhydrous 4-diethylamino 2-hydroxybenzophenone carboxylic acid with 2,2-dimethyl-1,3-propanediol was found to be a good UV absorber and was incorporated into sunscreen formulations.

IT 682349-14-0P 682349-15-1P 682349-18-4P

682349-19-5P 682349-21-9P

RL: COS (Cosmetic use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

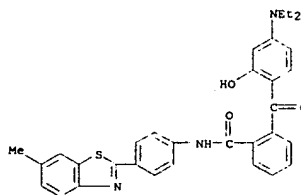
(preparation of amino substituted hydroxyphenyl benzophenone deriva. and their uses as UV filters in sunscreen formulations)

RN 682349-14-0 CAPLUS

CN Benzamide, 2-[4-(diethylamino)-2-hydroxybenzoyl]-N-[4-(6-methyl-2-benzothiazolyl)phenyl]- (9CI) (CA INDEX NAME)

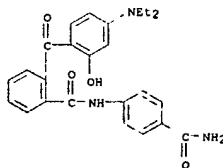
L12 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2006 ACS on STN

(Continued)



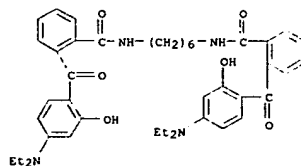
RN 682349-15-1 CAPLUS

CN Benzamide, N-[4-(aminocarbonyl)phenyl]-2-[4-(diethylamino)-2-hydroxybenzoyl]- (9CI) (CA INDEX NAME)



RN 682349-18-4 CAPLUS

CN Benzamide, N,N'-1,6-hexanediylbis[2-[4-(diethylamino)-2-hydroxybenzoyl]- (9CI) (CA INDEX NAME)



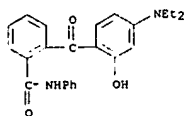
RN 682349-19-5 CAPLUS

CN Benzamide, 2-[4-(diethylamino)-2-hydroxybenzoyl]-N-phenyl- (9CI) (CA INDEX NAME)

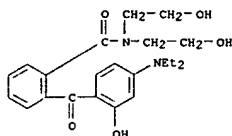
10/537,940

Malhotra et al 11/10/2006

L12 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 682349-21-9 CAPLUS
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 (9CI) (CA INDEX NAME)

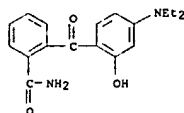


L12 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2001:895548 CAPLUS
 DOCUMENT NUMBER: 136:38973
 TITLE: Phase-change inks containing benzoyl benzamides
 INVENTOR(S): Malhotra, Shadi L.; Goodbrand, H. Bruce
 PATENT ASSIGNEE(S): Xerox Corporation, USA
 SOURCE: U.S., 14 pp.
 CODEN: USXXAM
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6328793	B1	20011211	US 2000-632190	20000803
PRIORITY APPLN. INFO.:			US 2000-632190	20000803

OTHER SOURCE(S): MARPAT 136:38973
 AB Disclosed is an ink composition comprising (a) a benzoyl benzamide compound; (b) a viscosity-modifying benzoyl-group-containing compound; (c) a colorant; and (d) an optional conductivity enhancing agent.
 IT 380228-12-6
 RL: TEM (Technical or engineered material use); USES (Uses) (phase-change inks containing benzoyl benzamides)
 RN 380228-12-6 CAPLUS
 CN Benzamide, 2-[4-(diethylamino)-2-hydroxybenzoyl]- (9CI) (CA INDEX NAME)

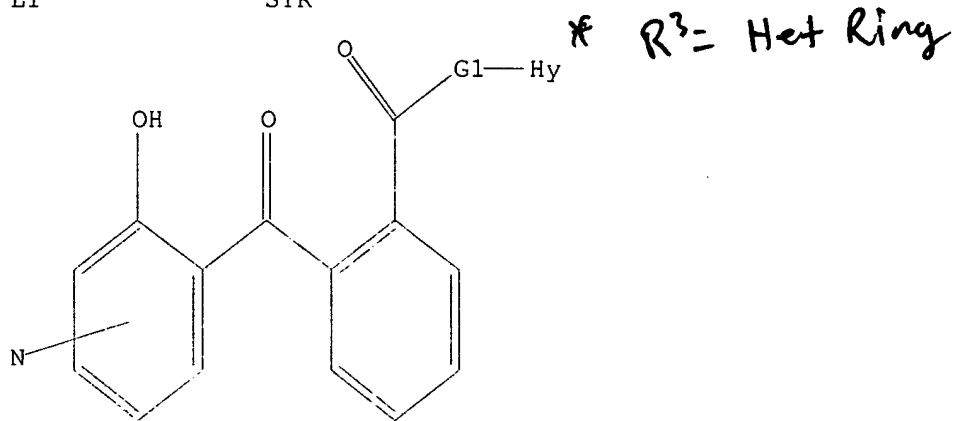


REFERENCE COUNT: 27 THERE ARE 27 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE REFORMAT

A = N
 R³ = H

L1

STR



G1 O,N

Structure attributes must be viewed using STN Express query preparation.

=> s l1 full

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100.0% PROCESSED 1043 ITERATIONS
SEARCH TIME: 00.00.01

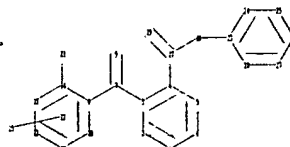
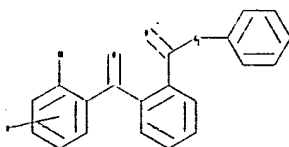
0 ANSWERS

L2

0 SEA SSS FUL L1

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Uploading C:\Program Files\Stnexp\Queries\10537940\6.str



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 ring nodes :
 1 2 3 4 5 6 8 10 11 12 13 14 23 24 25 26 27 28
 ring/chain nodes :
 15
 chain bonds :
 3-7 4-17 7-8 7-9 14-21 17-18 17-19 18-23
 ring bonds :
 1-2 1-6 2-3 3-4 4-5 5-6 8-10 8-14 10-11 11-12 12-13 13-14 23-24 23-28
 24-25 25-26 26-27 27-28
 exact/norm bonds :
 7-9 14-21 17-18 17-19 18-23
 exact bonds :
 3-7 4-17 7-8
 normalized bonds :
 1-2 1-6 2-3 3-4 4-5 5-6 8-10 8-14 10-11 11-12 12-13 13-14 23-24 23-28
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 containing 1 : 8 :

G1:O,N

Match level :

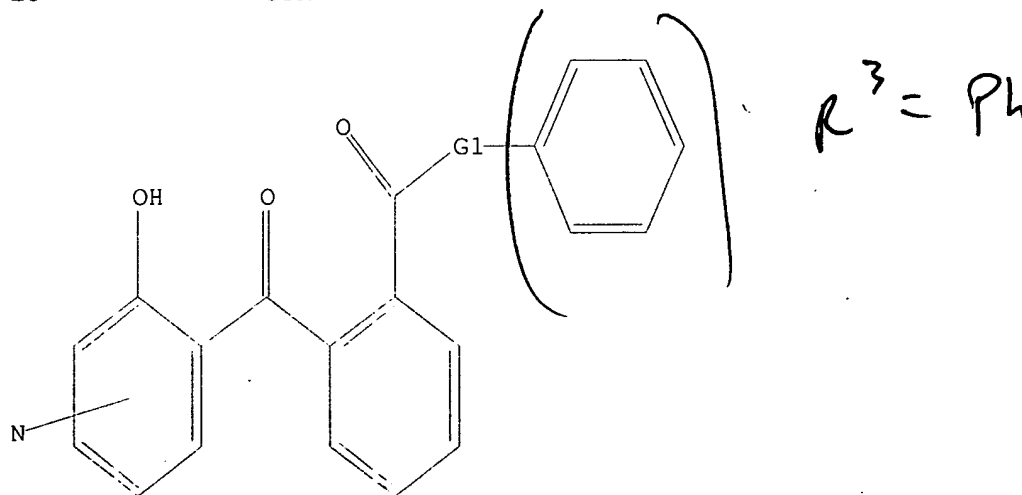
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 11:Atom 12:Atom 13:Atom 14:Atom 15:CLASS 17:CLASS 18:CLASS 19:CLASS
 21:CLASS 22:Atom 23:Atom 24:Atom 25:Atom 26:Atom 27:Atom 28:Atom

L3 STRUCTURE UPLOADED

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L3 HAS NO ANSWERS

L3 STR



G1 O,N

Structure attributes must be viewed using STN Express query preparation.

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100.0% PROCESSED 190 ITERATIONS
SEARCH TIME: 00.00.01

7 ANSWERS

L4 7 SEA SSS FUL L3

=> fil caplus
COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
335.64	335.85

FULL ESTIMATED COST

FILE 'CAPLUS' ENTERED AT 11:47:00 ON 10 NOV 2006
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FILE LAST UPDATED: 9 Nov 2006 (20061109/ED)

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=> s l4
L5

3 L4

=> d ibib abs hitstr 1-3

L5 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 2004:515467 CAPLUS
 DOCUMENT NUMBER: 141:71355
 TITLE: Preparation of amino substituted hydroxyphenyl benzophenone derivatives as UV absorbers
 INVENTOR(S): Haase, Juerg; Ehli, Thomas; Borsos, Elek; Mueller, Stefan
 PATENT ASSIGNEE(S): Ciba Specialty Chemicals Holding Inc., Swiss.
 SOURCE: PCT Int. Appl., 50 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

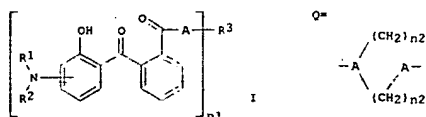
Instant

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004052837	A2	20040624	WO 2003-EP50937	20031203
WO 2004052837	A3	20040910		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RM:	BW, GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GN, GQ, GW, ML, MR, NE, SN, TD,			
TG				
AU 2003298343	A1	20040630	AU 2003-298343	20031203
EP 1569893	A2	20050907	EP 2003-796081	20031203
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK			
BR 2003016607	A	20051011	BR 2003-06607	20031203
CN 1726184	A	20060125	CN 2003-60105885	20031203
JP 200609834	T2	20060323	JP 2005-502323	20031203
US 2006018846	A1	20060126	US 2005-537940	20050607
PRIORITY APPL. INFO.:			EP 2002-406093	20021212
			CA 2003-1113	A 20030629
			EP 2003-102297	A 20030725
			WO 2003-EP50937	W 20031203

OTHER SOURCE(S): MARPAT 141:71355
 GI

priority claimed 12/12/02

L5 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



AB Described are aminohydroxybenzophenonecarboxamide derivs. of formula (I) [wherein R1, R2 = independently C1-20 alkyl, C2-20 alkenyl, C3-10 cycloalkyl, C3-10 C3-C10 cycloalkenyl; or R1 and R2 together with the linking nitrogen atom form a 5- or 6-membered heterocyclic ring; n1 =

1-4; when n1 = 1, R3 = saturated or unsatd. heterocyclic radical, hydroxy-C1-C5

alkyl, cyclohexyl optionally substituted with one or more C1-5 alkyl, Ph optionally substituted with a heterocyclic radical, aminocarbonyl, C1-5 alkylcarboxy; when n1 = 2, R3 = alkylene, cycloalkylene or alkenylene radical which is optionally substituted by a carbonyl or carboxy group;

or R3 together with A forms a bivalent radical of the formula Q; wherein n2 =

1-3; when n1 = 3, R3 = alkanetriyl radical; when n1 = 4, R3 = alkanetetrayl radical; A = O, N(R5); R5 = H, C1-5 alkyl, hydroxy-C1-5 alkyl]. These compds. are useful as UV filters in sunscreen

applications, preferably for the protection of human and animal hairs and from the damage of UV radiation as well as cosmetic compns. comprising these compds. Thus, a solution of 10.6 g 3-diethylaminodibenzoxepin

(preparation given) in 20 mL diethylene glycol di-Me ether was added to a suspension

of 7.2 g 2-(4-aminophenyl)-6-methylbenzothiazole are suspended in 60 mL diethylene glycol di-Me ether at room temperature under stirring, heated

to 90°, and allowed to react for 4 h to give 7.3 g N-(4-(6-methylbenzothiazol-2-yl)phenyl)-2-(4-diethylamino-2-hydroxybenzoyl)benzamide.

IT 682349-14-OP, N-(4-(6-Methylbenzothiazol-2-yl)phenyl)-2-(4-diethylamino-2-hydroxybenzoyl)benzamide 682349-15-IP, N-(4-Carbamoylphenyl)-2-(4-diethylamino-2-hydroxybenzoyl)benzamide 682349-19-5P, N-Phenyl-2-(4-diethylamino-2-hydroxybenzoyl)benzamide

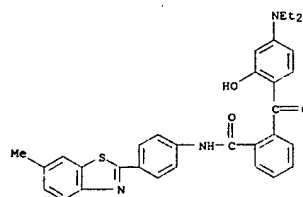
RL: BUU (Biological use, unclassified); COS (Cosmetic use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of amino substituted hydroxyphenyl benzophenone derivs.

as UV absorbers in sunscreen applications)

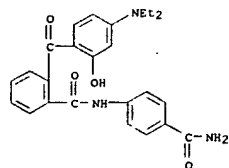
RN 682349-14-0 CAPLUS

CN Benzamide, 2-(4-(diethylamino)-2-hydroxybenzoyl)-N-(4-(6-methyl-2-benzothiazolyl)phenyl)- (9CI) (CA INDEX NAME)

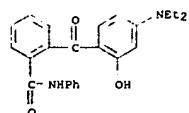
L5 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
 benzothiazolyl)phenyl)- (9CI) (CA INDEX NAME)



RN 682349-15-1 CAPLUS
 CN Benzamide, N-(4-(aminocarbonyl)phenyl)-2-(4-(diethylamino)-2-hydroxybenzoyl)- (9CI) (CA INDEX NAME)



RN 682349-19-5 CAPLUS
 CN Benzamide, 2-(4-(diethylamino)-2-hydroxybenzoyl)-N-phenyl- (9CI) (CA INDEX NAME)

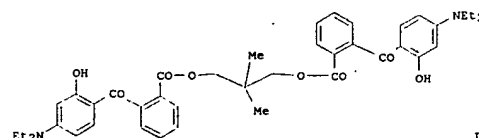


L5 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 2003:830446 CAPLUS
 DOCUMENT NUMBER: 140:362521
 TITLE: Preparation of amino substituted hydroxyphenyl benzophenone derivatives and their uses as UV filters in sunscreen formulations

AUTHOR(S): Anon.
 CORPORATE SOURCE: IP.com Journal (2003), 3(8), 40 (No. 4 Aug 2003)
 SOURCE: IP.com Journal (2003), 3(8), 40 (No. 4 Aug 2003)
 CODEN: IJPOBX; ISSN: 1533-0001

PUBLISHER: IP.com, Inc.
 DOCUMENT TYPE: Journal: Patent
 LANGUAGE: English
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
IP 18721D		20030804	IP 2003-18721D	20030804
PRIORITY APPL. INFO.:				
GI				



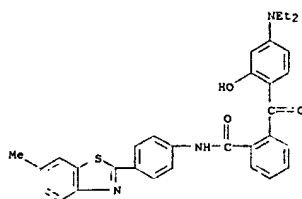
AB Described are synthesis of amino substituted hydroxyphenyl benzophenone derivs. The compds. are useful as UV filters in sunscreen applications. For example, compound 1 synthesized by reacting anhydrous 4-diethylamino 2-hydroxy benzophenone carboxylic acid with 2,2-dimethyl-1,3-propanediol was found to be a good UV absorber and was incorporated into sunscreen formulations.

IT 682349-14-OP 682349-15-IP 682349-19-5P
 RL: COS (Cosmetic use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (preparation of amino substituted hydroxyphenyl benzophenone derivs.

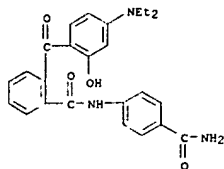
and their uses as UV filters in sunscreen formulations)

RN 682349-14-0 CAPLUS
 CN Benzamide, 2-(4-(diethylamino)-2-hydroxybenzoyl)-N-(4-(6-methyl-2-benzothiazolyl)phenyl)- (9CI) (CA INDEX NAME)

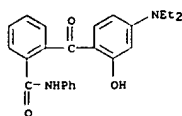
L5 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 682349-15-1 CAPLUS
 CN Benzamide, N-[4-(aminocarbonyl)phenyl]-2-[4-(diethylamino)-2-hydroxybenzoyl]- (9CI) (CA INDEX NAME)



RN 682349-19-5 CAPLUS
 CN Benzamide, 2-[4-(diethylamino)-2-hydroxybenzoyl]-N-phenyl- (9CI) (CA INDEX NAME)



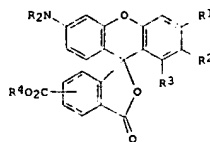
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L5 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1981:123117 CAPLUS
 DOCUMENT NUMBER: 94:123117
 TITLE: Fluoran derivatives and their use in marking systems
 INVENTOR(S): Schmidt, Paul Joseph; Hung, William Mo-Wei
 PATENT ASSIGNEE(S): Sterling Drug Inc., USA
 SOURCE: Ger. Offen., 50 pp.
 CODEN: GWXXBX
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COURT: 3
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 3018546	A1	19801127	DE 1980-3018546	19800514
US 4274660	A	19810623	US 1979-39017	19790514
US 4298215	A	19811103	US 1980-135855	19800311
PRIORITY APPLN. INFO.:			US 1979-39017	A 19790514
			US 1980-135855	A 19800331

GI



AB Fluoran derivs. (I; R = a nontertiary C1-4 alkyl; R1, R3 = H, nontertiary C1-4 alkyl, R3 must be alkyl when R2 = H; R2 = H, optionally substituted amino; R4 = H, nontertiary C1-18 alkyl, PhCH2, substituted PhCH2) are prepared and are used as color formers in thermal and pressure-sensitive systems. Thus, a mixture of trimellitic anhydride [552-30-7] and m-(diethylamino)phenol [91-68-9] was heated in ethylene dichloride-aqueous NH3 to give 4- [52716-31-1] and 5-carboxy-2-[4-(diethylamino)-2-hydroxybenzoyl]benzoic acid [52716-30-0] and the product was treated with 2-methyl-N-phenyl-p-phenetidine [4058-15-5] in oleum to give the corresponding phthalide derivs., and the phthalide rings were closed and the products were treated with Et2SO4 to give I (R = Et, R1 = Me, R2 = PhNH, R3 = H, R4 = Et), giving a black shade on acid clay.

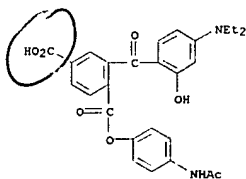
IT 76974-13-5P 76974-14-6P 76974-15-7P 76987-47-8P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

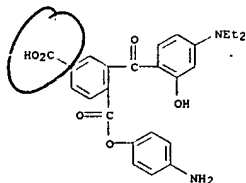
11/27/1980

L5 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

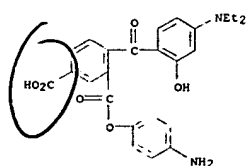
(prepn. and ring closure of)
 RN 76974-13-5 CAPLUS
 CN 1,4-Benzenedicarboxylic acid, 2-[4-(diethylamino)-2-hydroxybenzoyl]-, 1-[4-(acetylamino)phenyl] ester (9CI) (CA INDEX NAME)



RN 76974-14-6 CAPLUS
 CN 1,4-Benzenedicarboxylic acid, 2-[4-(diethylamino)-2-hydroxybenzoyl]-, 1-(4-aminophenyl) ester (9CI) (CA INDEX NAME)



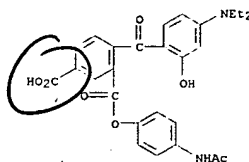
RN 76974-15-7 CAPLUS
 CN 1,3-Benzenedicarboxylic acid, 4-[4-(diethylamino)-2-hydroxybenzoyl]-, 3-(4-aminophenyl) ester (9CI) (CA INDEX NAME)



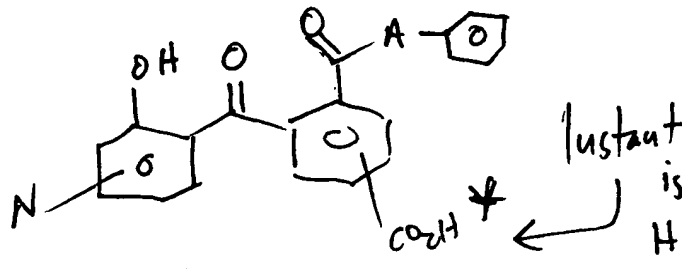
RN 76987-47-8 CAPLUS
 CN 1,3-Benzenedicarboxylic acid, 4-[4-(diethylamino)-2-hydroxybenzoyl]-,

L5 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

3-[4-(acetylamino)phenyl] ester (9CI) (CA INDEX NAME)



All substituted w/ CO2H



STN StructureSearch - Claim 27

10/537,940

(Registry/Caplas)

11/10/2006

2-7 3-11 7-8 7-13 8-9 10-11 11-12 15-18

normalized bonds :

1-2 1-6 2-3 3-4 4-5 5-6 9-10 9-14 10-17 14-15 15-16 16-17

Match level :

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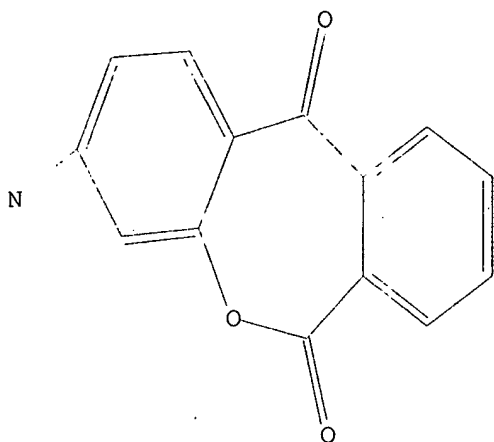
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L1 HAS NO ANSWERS

L1 STR



Structure attributes must be viewed using STN Express query preparation.

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100.0% PROCESSED 6196 ITERATIONS

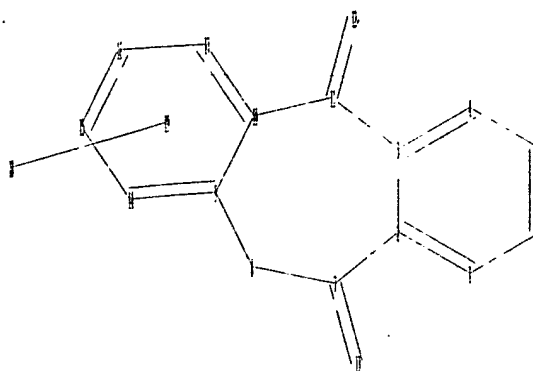
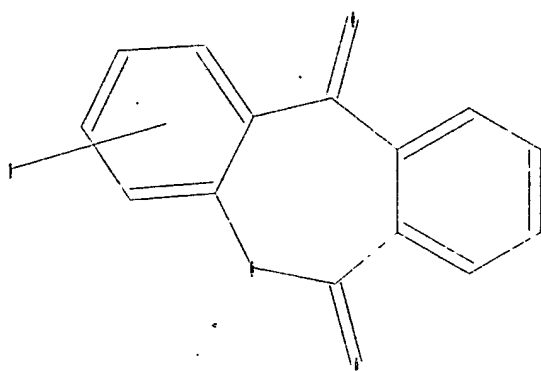
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L2 1 SEA SSS FUL L1

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1 ANSWERS



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12 13

ring nodes :

1 2 3 4 5 6 7 8 9 10 11 14 15 16 17

ring/chain nodes :

18

chain bonds :

7-13 11-12

ring bonds :

1-2 1-6 2-3 2-7 3-4 3-11 4-5 5-6 7-8 8-9 9-10 9-14 10-11 10-17 14-15
15-16 16-17

exact/norm bonds :

2-7 3-11 7-8 7-13 8-9 10-11 11-12

normalized bonds :

1-2 1-6 2-3 3-4 4-5 5-6 9-10 9-14 10-17 14-15 15-16 16-17

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom

11:Atom 12:CLASS 13:CLASS 14:Atom 15:Atom 16:Atom 17:Atom 18:CLASS 19:Atom

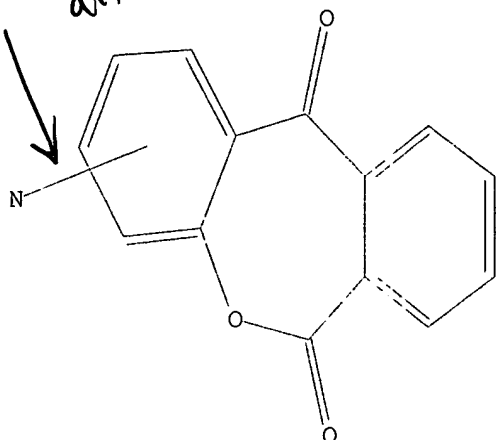
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L3 STR

variable
attachment



Structure attributes must be viewed using STN Express query preparation.

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100.0% PROCESSED 50006 ITERATIONS
SEARCH TIME: 00.00.01

1 ANSWERS

L4 1 SEA SSS FUL L3

=> fil caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

333.88

334.09

FILE 'CAPLUS' ENTERED AT 10:21:47 ON 10 NOV 2006
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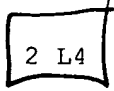
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L5 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 2004:515467 CAPLUS
 DOCUMENT NUMBER: 141:71355
 TITLE: Preparation of amino substituted hydroxyphenyl benzophenone derivatives as UV absorbers
 INVENTOR(S): Haase, Juerg; Ehli, Thomas; Borsos, Elek; Mueller, Stefan
 PATENT ASSIGNEE(S): Ciba Specialty Chemicals Holding Inc., Swiss.
 SOURCE: PCT Int. Appl., 50 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

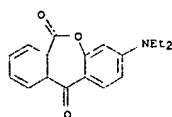
Instant App

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004052837	A2	20040624	WO 2003-EP50937	20031203
WO 2004052837	A3	20040910		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RM:	BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD,			
TG				
AU 2003298343	A1	20040630	AU 2003-298343	20031203
EP 1569893	A2	20050907	EP 2003-796081	20031203
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK			
BR 2003016607	A	20051011	BR 2003-16607	20031203
CN 1726184	A	20060125	CN 2003-80105886	20031203
JP 200609834	T2	20060323	JP 2005-502323	20031203
US 2006018846	A1	20060126	US 2005-537940	20050607
PRIORITY APPLN. INFO.:			IP 2002-406093	A 20021212
			CH 2003-1113	A 20030625
			WO 2003-102297	A 20030725
			WO 2003-EP50937	W 20031203

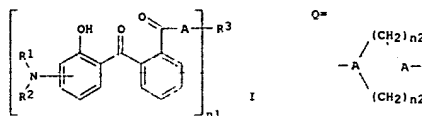
OTHER SOURCE(S): MARPAT 141:71355
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L5 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



L5 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



AB Described are aminohydroxybenzophenonecarboxamide derivs. of formula (I) (wherein R1, R2 = independently C1-20 alkyl, C2-20 alkenyl, C3-10 cycloalkyl, C3-10 C3-C10 cycloalkenyl; or R1 and R2 together with the linking nitrogen atom form a 5- or 6-membered heterocyclic ring; n1 = 1-4; when n1 = 1, R3 = saturated or unsatd. heterocyclic radical, hydroxy-C1-C5 alkyl, cyclohexyl optionally substituted with one or more C1-5 alkyl, Ph optionally substituted with a heterocyclic radical, aminocarbonyl, C1-5 alkylcarboxy; when n1 = 2, R3 = alkylene, cycloalkylene or alkenylene radical which is optionally substituted by a carbonyl or carboxy group; or R3 together with A forms a bivalent radical of the formula Q; wherein n2 = 1-3; when n1 = 3, R3 = alkanetriyl radical; when n1 = 4, R3 = alkanetetrayl radical; A = O, N(R5); R5 = H, C1-5 alkyl, hydroxy-C1-5 alkyl). These compds. are useful as UV filters in sunscreen applications, preferably for the protection of human and animal hairs and from the damage of UV radiation as well as cosmetic compns. comprising these compds. Thus, a solution of 10.6 g 3-diethylaminodibenzoxepin (preparation given) in 20 mL diethylene glycol di-Me ether was added to a suspension of 7.2 g 2-(4-aminophenyl)-6-methylbenzothiazole are suspended in 60 mL diethylene glycol di-Me ether at room temperature under stirring, heated to 90°, and allowed to react for 4 h to give 7.3 g N-[4-(6-methylbenzothiazol-2-yl)phenyl]-2-(4-diethylamino-2-hydroxybenzoyl)benzamide.

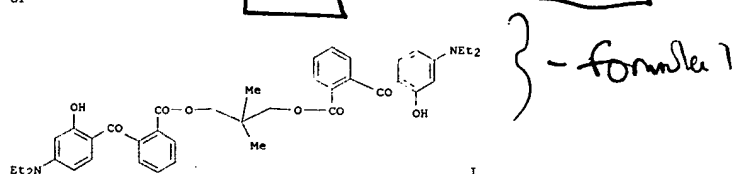
IT 682349-13-9P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (preparation of amino substituted hydroxyphenyl benzophenone derivs. as UV absorbers in sunscreen applications)

RN 682349-13-9 CAPLUS
 CN Dibenz[b,e]oxepin-6,11-dione, 3-(diethylamino)- (9CI) (CA INDEX NAME)

L5 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2003:830446 CAPLUS
 DOCUMENT NUMBER: 140:362521
 TITLE: Preparation of amino substituted hydroxyphenyl benzophenone derivatives and their uses as UV filters in sunscreen formulations
 AUTHOR(S): Anon.
 CORPORATE SOURCE: USA
 SOURCE: IP.com Journal (2003), 3(8), 40 (No. 4 Aug 2003)
 CODEN: IJPOBX; ISSN: 1533-0001
 PUBLISHER: IP.com, Inc.
 DOCUMENT TYPE: Journal: Patent
 LANGUAGE: English
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
IP 18721D		20030804	IP 2003-18721D	20030804



AB Described are synthesis of amino substituted hydroxyphenyl benzophenone derivs. The compds. are useful as UV filters in sunscreen applications. For example, compound 1 synthesized by reacting anhydrous 4-diethylamino 2-hydroxy benzophenone carboxylic acid with 2,2-dimethyl-1,3-propanediol was found to be a good UV absorber and was incorporated into sunscreen formulations.

IT 682349-13-9P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (preparation of amino substituted hydroxyphenyl benzophenone derivs. and their uses as UV filters in sunscreen formulations)

RN 682349-13-9 CAPLUS
 CN Dibenz[b,e]oxepin-6,11-dione, 3-(diethylamino)- (9CI) (CA INDEX NAME)

L5 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

